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MAY 14 2001

Application of: Behlke et al.

TECH CENTER 1600/2900

Application No.: 09/497,943

Group Art Unit: 1643

Filed: February 4, 2000

Examiner: Bradley L. Sisson

For: PRIMER EXTENSION METHODS FOR  
PRODUCTION OF HIGH SPECIFICITY  
NUCLEIC ACID PROBES

Attorney Docket No.: 7614-018

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.56 AND §1.97**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of Applicants or Applicants' attorneys which are or may be related to patentability of the claimed invention, Attorneys for Applicants hereby direct the Examiner's attention to references AA-BA which are listed on the accompanying revised PTO Form 1449. Copies of these references are submitted herewith.

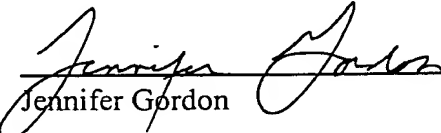
Identification of the above-listed references is not to be construed as an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Consequently, Applicants respectfully decline to use form PTO-1449, since that form identifies all of the references cited therein as "Prior Art." As an alternative, Applicants submit herewith a "revised form PTO 1449" entitled "List of References Cited".

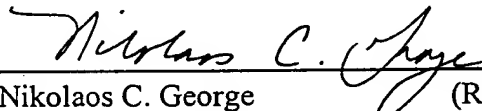
Applicants request that the Examiner review all the references identified on the attached revised PTO Form 1449, and that they be made of record in the file history of the above-captioned application.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits; therefore, Applicants estimate that no fee is required. If a fee is required, please charge the required fee to Pennie & Edmonds Deposit Account No. 16-1150.

Respectfully submitted,

Date October 12, 2000

  
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(Reg. No.)

By:   
Nikolaos C. George 39,201  
(Reg. No.)

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1155 Avenue of the Americas  
New York, New York 10036-2711  
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Enclosure



## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

7614-018

APPLICATION NO.

09/497,943

APPLICANT

Behlke et al.

FILING DATE

February 4, 2000

GROUP

1643

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,538,872	7/23/96	Bahl et al.			
	AB	5,403,711	4/4/95	Walder et al.			
	AC	4,808,520	2/28/89	Dattagupta et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AD	Caruthers et al., 1987, "Chemical synthesis of deoxyoligonucleotides by the phosphoramidite method", Methods Enzymol. 154:287-313.
	AE	Chaconas and van de Sande, 1980, "5'- <sup>32</sup> P labeling of RNA and DNA restriction fragmnets", Methods Enzymol. 65:75-88
	AF	Clontech Catalog 95/96, Label-On Reagents, p.198
	AG	Clontech Catalog 95/96, Oligo-AP Labeling Kit, p. 208
	AH	Clontech Catalog 95/96, Virtual Nucleotide Reagents, p. 195
	AI	Gilfillan et al., 1995, "Mice lacking terminal deoxynucleotidyl transferase: adult mice with a fetal antigen receptor repertoire", Immunol Rev. 148:201-19
	AJ	Langer et al, 1981, "Enzymatic synthesis of biotinylated polynucleotides: novel nucleic acid affinity probes", Proc. Natl. Acad. Sci. USA 78:6633-6637
	AK	Moore, 1981, "Pancreatic Dnase", The Enzymes (Academic Press, San Diego) pp.281-298
	AL	Rock et al., 1994, "CDR3 length in antigen-specific immune receptors", J Exp Med. 179(1):323-8
	AM	Shchepinov et al., 1997, "Oligonucleotide dendrimers: synthesis and use as polylabelled DNA probes", Nucleic Acids Res. 25(22):4447-54
	AN	Studencki and Wallace, 1984, "Allele-specific hybridization using oligonucleotide probes of very high specific activity: discrimination of the human beta A- and beta S-globin genes", DNA 3(1):7-15
	AO	Uhlenbeck and Gumport, 1982, "T4 RNA ligase", The Enzymes (Academic Press, San Diego) pp. 31-60
	AP	Ullrich et al., 1984, "Human epidermal growth factor receptor cDNA sequence and aberrant expression of the amplified gene in A431 epidermoid carcinoma cells", Nature 309(5967):418-25
	AQ	USB Molecular Biology Reagents/Protocols 1992, Bacterial Alkaline Phosphatase, p. 84
	AR	USB Molecular Biology Reagents/Protocols 1992, Calf Intestine Alkaline Phosphatase, p. 86
	AS	USB Molecular Biology Reagents/Protocols 1992, Exonuclease III, p. 101
	AT	USB Molecular Biology Reagents/Protocols 1992, T4 Polynucleotide Kinase (Cloned) p. 110
	AU	USB Molecular Biology Reagents/Protocols 1992, DNA Polymerase I, p. 133

AV	USB Molecular Biology Reagents/Protocols 1992, Poly(A) Polymerase, p. 138
AW	USB Molecular Biology Reagents/Protocols 1992, T3 RNA Polymerase (Cloned), p.161
AX	USB Molecular Biology Reagents/Protocols 1992, T7 RNA Polymerase, p. 162
AY	USB Molecular Biology Reagents/Protocols 1992, terminal Deoxynucleotidyl Transferase, p. 184
AZ	Wilcheck and Bayer, 1988, "The avidin-biotin complex in bioanalytical applications", Anal. Biochem. 171:1-32
BA	Maag and Schmidt, 1994, "Oligodeoxynucleotide probes with multiple labels linked to the 4'-position of thymidine monomers: excellent duplex stability and detection sensitivity", Tetrahedron Lett. 35(35):6449-52
EXAMINER	
DATE CONSIDERED	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	





Express Mail No. EL 501 634 391 US First Class Mail ( )  
Date Mailed October 12, 2000  
Ser. No. 09/497,943 Filed February 4, 2000  
Inventor Behlke et al.  
For Primer Extension Methods for Production of High Specificity Probes

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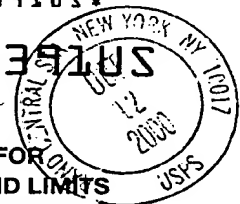


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